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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,355	01/18/2007	Ian Powlesland	P08945US00/DEJ 8470	
881 STITES & HA	7590 12/12/2007 RBISON PLLC	EXAMINER		
1199 NORTH FAIRFAX STREET			NOORI, MAX H	
SUITE 900 ALEXANDRI	A. VA 22314		ART UNIT	PAPER NUMBER
	,		2855	
			MAIL DATE	DELIVERY MODE
			12/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/581,355	POWLESLAND ET AL.			
Office Action Summary	Examiner	Art Unit			
	Max Noori	2855			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR:1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. sely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 2a) ☐ This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for allowan closed in accordance with the practice under E.	- action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4)	election requirement.				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1307	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te			

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claim1-2, 5, 7, 9-11, 13-15 are rejected under 35 U.S.C. 102(b) as being anticipated by August.

Regarding claims 1, 12, 15, August, discloses a method of manufacturing a piezoelectric, pressure sensor with features of the claimed invention including a silicon strain sensing element (element 202) which includes a various portions (see claim 21), and has a plurality of piezoresistor (see col. 2, line 46). The deformation of aid portion can extends or bends subjecting the piezoresistors to compression and to tension thereby inducing a change in relative resistance of said piezoresistors (see claim 20).

Regarding claim 2, August shows curved silicon member (see, for example figures 4 and 5).

Regarding claims 5, 7, 9-11, August shows plurality of piezoresistors.

Regarding claims 13-14, the strain gauge resistors are generally arranged in a Wheatstone bridge (see for example, col. 2, line 53).

Claim Rejections - 35 USC § 103

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2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

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such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

3. Claims 3-4, 6, 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over August

August shows a generally a square shape for the sensing element, however, depending

on the specific intended use, the element can assume various shapes. Therefore, it would have

been obvious for a skilled artisan at the time of the invention to modify August to provide for

any form and shape, in order to be able to use the system in any desired configuration of an

intended application.

4. Claims 16-28 are objected to (due to specific arrangements of the tethers), as being

dependent upon a rejected base claim, but would be allowable if rewritten in independent form

including all of the limitations of the base claim and any intervening claims.

5. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Max H. Noori whose telephone number is (571) 272-2185. The

examiner can normally be reached on Tuesday-Friday from 8:00 AM to 6:00 P.M.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Group receptionist whose telephone number is (571) 272-2800. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306. The central fax number is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MHN

Friday, December 07, 2007

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